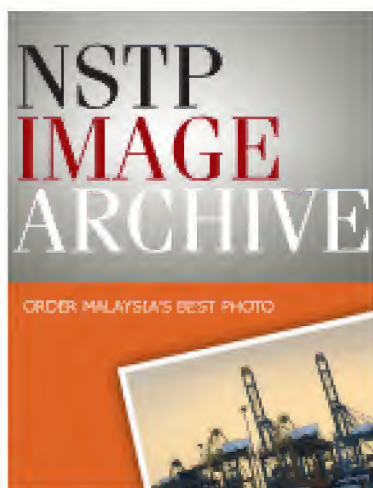


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KUTKM

KOLEJ Universiti Teknikal Kebangsaan Malaysia (KUTKM) had allocated RM1.28 million to finance research activities by academic staff over the last two years. This investment is matched by the Government, which contributed RM1.25 million to the university.

Sixty research projects by the five faculties and departments have been funded.

One project, the Air Pressure Plug by the Faculty of Manufacturing Engineering, recently won two awards: a second place in the Engineering Invention 'N' Innovation Challenge (EINIC 2005) at the University of Malaya in January and a gold medal in Invention and Industrial Design Competition (I.TEX 2005) in May.

KUTKM will submit 17 projects for the IPTA exhibition, including nine that will be exhibited in the main gallery.

Five research projects from Faculty of Electrical Engineering, two from Faculty of Mechanical Engineering and one from Faculty of Electronics and Computer Engineering, and Faculty of Information and Communication Technology will be exhibited.

Other exhibits include a Vision-based Automated Guided Vehicle (V-AGV) for Navigation and Obstacle Avoidance-Multi Agent Approach. Using a mobile robot equipped with a minimal set of sensors, such as a wireless camera and sonar sensors, multi-agent based control system was build to tackle problems encountered during guideline navigation on a factory floor.

The Faculty of Information and Communication Technology is exhibiting a project called Natural Language

Understanding and Reasoning for Intelligence (NaLURI).

NaLURI is a knowledge-based question-answering system developed with practicality in mind. The outcome of this project will allow for more interaction between human and machines.

KUTKM's mission is to excel in research and to be recognised as an entrepreneurial and a research-intensive technical university. It wants to contribute towards the nation's development by coming up with projects that are of value to society. Hence, it hopes to meet Prime Minister Datuk Seri Abdullah Ahmad Badawi call to IPTAs to share research that contributed to nation building.

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